

Radha Pandey

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EDUCATION

Master of Technology in Computer Science
NIT Jalandhar
CGPA: 7.34/10

2019 - Present

Bachelor of Engineering in CSE
Vivekananda Global University
CGPA: 8.8/10

2013 - 2017

EXPERIENCE

Teaching Assistant for C, C++ and Algorithm Course

Aug 2019- Present

At NIT Jalandhar, i am responsible for taking B.Tech CSE students lab. Apart from teaching various algorithm topics to B.Tech students, i am also responsible for designing assignments for them.

PROJECTS

Object Detection & Tracking for Autonomous Vehicle

MTech Project

Working on problem for tracking object like Cars, Peoples, Balls across series of video frames. I am also planning to calculate distance between vehicles, detect curves on road and collision detection. Currently doing the literature survey of tracking by detection methods.

Reconstruction and Classification of MNIST Dataset

Course Project

MNIST is a handwritten dataset, originally has 60,000 digits with 784 (28x28) dimensions in its training set. In this assignment, various ML algorithm has been used to accuracy. I had also used some dimension reduction technique like PCA, random projection on this dataset.

Prediction of Flowers type Using decision Tree

I had used Iris Dataset in this project for multi-class classification task. There were 3 classes of flowers and my task was to predict class of flower using features like length and width of sepals and petals. I designed decision tree algorithm from scratch for multi-class classification problem and achieved accuracy of around 98% after parameter tuning.

Bank Management System

Programming Language: C

This enables us to you can create a new account, update information of an existing account, view and manage transactions, check the details of an existing account, remove existing account and view customers' list.

INTERNSHIPS

GirnarSoft, Jaipur

Jan 2017- July 2017

COURSES

Algorithm, Machine Learning, Big data, Decision Support System, Advanced Computer Network, Software project Management.

SKILLS

- Coding Language: C, Python, C++
- Good Understanding of Python basic libraries that i used in machine learning projects for data preprocessing and visualizations like numpy, Pandas, matplotlib.
- Good Knowledge of SQL, Transactions
- Basic Understanding of Computer network and Operating System.
- Good Understanding of MS Office tools that we use for data analytics purpose.

ACHIEVEMENTS

- Secured 1st Rank in Poster competition in National Conference on Recent trends of Transistor.
- Secured 3rd rank in MTEA (Mathematical Technique in Engineering Applications).
- Completed Live Project based Training on Industrial Robotics (Vertex Group) in 2015
- Secured 1st Rank in College Quiz event in which more than 200 Students participated.
- Secured 2nd Rank in Handball Competition at State Level.

INTERESTS AND ACTIVITIES

Technical: Competitive Coding, Machine Learning, Software development, MS Office

Others: Crafting

VOLUNTEER EXPERIENCE

- Core Team member in College Annual Fest (Panache 7).